Summary of 2008 Mathematics Standard Changes

HIGH SCHOOL (GRADES 9-10)			
Removed POs	**POs Moved to a Different Grade Level**	**POs Moved within the Grade Level or from another Grade Level**	**New POs**
MHS-S1C2-05 (2003) Use grade level-appropriate mathematical terminology. **(This skill is required throughout the standard).**	MHS-S1C3-01 (2003) Solve grade-level appropriate problems using estimation. MOVED to M08-S1C3-01 (2008)	MHS-S1C1-02 (2003) MOVED to MHS-S1C2-02 (2008) Summarize the properties of and connections between real number operations; justify manipulations of expressions using the properties of real number operations.	MHS-S1C1-03 (2008) Express that the distance between two numbers is the absolute value of their difference.
MHS-S2C1-01 (2003) Formulate questions to collect data in contextual situations.	MHS-S2C1-12 (2003) Recognize and explain the impact of interpreting data (making inferences or drawing conclusions) from a biased sample. MOVED to MCWR-S2C1-04 (2008)	MHS-S1C2-04 (2003) MOVED to MHS-S3C1-03 (2008) Create sequences using explicit and recursive formulas involving both subscripts and function notation.	MHS-S1C3-03 (2008) Determine when an estimate is more appropriate than an exact answer.
MHS-S2C1-16 (2003) Identify differences between sampling and census.	MHS-S2C1-13 (2003) Draw a line of best fit for a scatter plot. MOVED to MCWR-S2C1-08 (2008)	MHS-S3C2-09 (2003) MOVED to MHS-S3C3-04 (2008) Determine from two linear equations whether the lines are parallel, perpendicular, coincident, or intersecting but not perpendicular.	MHS-S2C1-08 (2008) Design simple experiments or investigations and collect data to answer questions.
MHS-S4C4-08 (2003) Find the sum of the interior and exterior angles of a polygon. **(exterior angles were removed)**	MHS-S2C1-17 (2003) Identify differences between biased and unbiased samples. MOVED to M08-S2C1-04 (2008)	MHS-S3C3-01 (2003) MOVED to MHS-S3C2-03 (2008) Use function notation; evaluate a function at a specified value in its domain.	MHS-S2C2-04 (2008) Explain and use the law of large numbers (that experimental results tend to approach theoretical probabilities after a large number of trials).

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	MHS-S4C1-13 (2003) Construct a triangle congruent to a given triangle. MOVED to M05-S4C1-01 (2008)	MHS-S3C3-07 (2003) MOVED to MHS-S3C2-04 (2008) Use equations, graphs, tables, descriptions, or sets of ordered pairs to express a relationship between two variables.	MHS-S2C3-01 (2008) Apply the addition and multiplication principles of counting, representing these principles algebraically using factorial notation.
	MHS-S4C4-01 (2003) Calculate the area of geometric shapes composed of two or more geometric figures. MOVED to M07-S4C4-03 (2008)	MHS-S3C3-12 (2003) MOVED to MHS-S3C2-05 (2008) Recognize and solve problems that can be modeled using a system of two equations in two variables.	MHS-S2C4-01 (2008) Solve network problems using graphs and matrices.
	MHS-S4C4-08 (2003) Find the sum of the interior and exterior angles of a polygon. MOVED to M07-S4C1-04 (2008) **(interior angles only)**	MHS-S3C3-14 (2003) MOVED to MHS-S1C2-03 (2008) Calculate powers and roots of rational and irrational numbers.	MHS-S3C3-10 (2008) Add, subtract, and multiply polynomial and rational expressions.
		MHS-S3C3-17 (2003) MOVED to MHS-S3C2-06 (2008) Recognize and solve problems that can be modeled using a quadratic function.	MHS-S3C3-12 (2008) Factor quadratic polynomials in the form of $ax^2 + bx + c$ where *a,* *b,* and *c* are integers.
		MHS-S3C3-18 (2003) MOVED to MHS-S4C1-11 (2008) Solve problems using the sine, cosine, and tangent ratios of the acute angles of a right triangle.	MHS-S3C3-14 (2008) Factor higher order polynomials.

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		MHS-S3C4-02 (2003) MOVED to MHS-S3C3-02 (2008) Solve formulas for specified variables.	MHS-S3C4-02 (2008) Solve problems involving rate of change.
		MHS-S5C2-07 (2003) and MHS-S5C2-08 (2003) MOVED to MHS-S4C1-03 (2008) Create and analyze inductive and deductive arguments concerning geometric ideas and relationships.	MHS-S3C4-03 (2008) Solve interest problems.
		MHS-S5C2-14 (2003) MOVED to MHS-S4C3-04 (2008) Verify characteristics of a given geometric figure using coordinate formulas for distance, midpoint, and slope to confirm parallelism, perpendicularity, and congruence.	MHS-S4C1-04 (2008) Apply properties, theorems, and constructions about parallel lines, perpendicular lines, and angles to prove theorems.
			MHS-S4C1-05 (2008) Explore Euclid's five postulates in the plane and their limitations.
			MHS-S4C3-02 (2008) Illustrate the connection between the distance formula and the Pythagorean Theorem.
			MHS-S4C4-01 (2008) Use dimensional analysis to keep track of units of measure when converting.

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			MHS-S5C2-01 (2008) Analyze a problem situation, determine the question(s) to be answered, organize given information, determine how to represent the problem, and identify implicit and explicit assumptions that have been made.
			MHS-S5C2-02 (2008) Solve problems by formulating one or more strategies, applying the strategies, verifying the solution(s), and communicating the reasoning used to obtain the solution(s).
			MHS-S5C2-04 (2008) Generalize a solution strategy for a single problem to a class of related problems; explain the role of generalizations in inductive and deductive reasoning.
			MHS-S5C2-07 (2008) Find structural similarities within different algebraic expressions and geometric figures.

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			MHS-S5C2-13 (2008) Identify and explain the roles played by definitions, postulates, propositions and theorems in the logical structure of mathematics, including Euclidean geometry.